



## **Process for recycling of powder coating waste**

**Description of Technology:** The invention relates to the recycling of powder coating waste.

### **Patent Listing:**

1. **US Patent No. 6,428,843**, Issued August 6, 2002, "Process for recycling of powder coating waste"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F6428843>

**Market Potential:** The preparation of powder coatings is mostly carried out by extruding the powder coating ready formulated by dry mixing of all the required components (powder coating fresh material) in the form of a paste-like melt, cooling off of the melt, coarse comminution into so-called powder coating chips, fine milling (grinding) and subsequent sieving and classifying to desired grain fineness (powder coating classification). Powder coating material that is too coarse-grained (high grain) on sieving can again be fine-milled. Powder coating material that is too fine-grained (low grain) represents waste.

### **Benefits:**

- Intimately contacting powder coating waste to powder coating chips; and heating the combination to bond the powder coating waste to the powder coating chips

### **Applications:**

- Powdered coating waste

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